

ABSTRACT OF THE DISCLOSURE

A light emitting device capable of displaying grey scale is provided. The device has a pixel having a plurality of bistable subpixels. Each subpixel has an ON state and an OFF state. A different power line is coupled to each bistable subpixel. Circuitry that can individually modulate the pulse width of a power signal transmitted through each power line is connected to the power lines. Each subpixel includes a first light emitting device that emits light when the subpixel is in the ON state. Each subpixel has substantially the same size and emits substantially the same spectrum of light in the ON state.